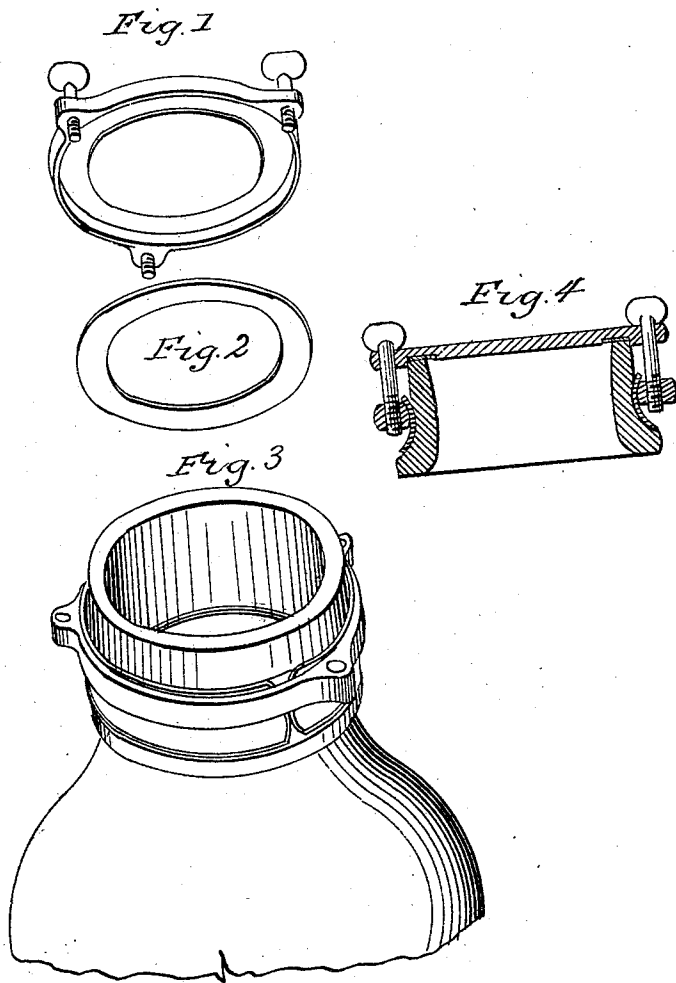


R. M. DALBEY.
Sealing Fruit Jars.

No. 22,066.

Patented Nov. 16, 1858.



UNITED STATES PATENT OFFICE.

REUBEN M. DALBEY, OF MOUNT WASHINGTON, OHIO.

IMPROVEMENT IN SEALING PRESERVE-JARS.

Specification forming part of Letters Patent No. 22,066, dated November 16, 1858.

To all whom it may concern:

Be it known that I, REUBEN M. DALBEY, of Mount Washington, in the county of Hamilton and State of Ohio, have invented a new and Improved Mode of Hermetically Sealing Preserve Jars and Bottles; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the annexed drawings, making part of this specification—

Figure 1 representing a perspective view of the lid, showing a circular depression in the under side; Fig. 2, a gasket adapted in size to the depression in the lid; and Fig. 3 the neck of a jar or bottle, with a ring or yoke suspended around its neck, and a strip of leather inserted between the neck of the jar or bottle and the ring, so as to prevent the ring from coming into contact with the vessel, and also from slipping up over the rim of the jar or bottle. Fig. 4 is an axial section of the whole, as combined and attached by screws passing down from the lid and attaching to the yoke or ring for the purpose of compressing the gasket between the top of the vessel and the lid, thereby preventing the passage of air into the vessel.

I will premise by the remark that the extensive business of putting up provisions in sealed vessels has given rise to many inventions aiming at improvements, mostly, however, having been combined to tin cans and jars sealed with wax. Tin cans have not given satisfaction, being worthless after two or three years' use, and uncertain at any time, and also subjecting the fruit put up in them to an unpleasant flavor on account of the corroding effects of the acid upon the tin. Jars sealed with wax are still more uncertain. The wax is often rendered porous by the escapement of steam from within, thereby admitting the atmosphere to the fruit; and again, the vacuum is frequently formed in the vessel before the wax is sufficiently hard to protect it. The

wax is also liable to crack by the changes of the temperature, the contraction and expansion being different in wax and glass.

The advantages of my invention are its cheapness, durability, simplicity of construction and application, and the perfect preservation of all fruits, juices, and provisions, from which the atmosphere can be expelled by heating. It costs but little at the commencement, and may be so graduated as to size that it can be applied to jars or bottles in common use for other purposes, and on hand in families, and which would otherwise be of but little use. Both this invention and the vessels to which it may be applied, if properly cared for, may be safely kept in families for years and used as occasion may require, with but little or no expense above their first cost. If the lid is composed of metallic substance, a cork inserted in the mouth of the vessel will prevent its contents from coming into contact with the lid, and danger of corrosion is thereby avoided; or, if glass should be preferred for lids, it may be preserved from breakage by placing a lid of tin or other metal over the glass lid and inserting cloth between them.

My invention consists simply in the application of the yoke or ring to an ordinary jar or bottle, by means of which (yoke or ring) a lid may be securely attached to the top of the vessel by the use of screws or other device.

What I claim as my invention, and desire to secure by Letters Patent, is—

The yoke or ring, in combination with the leather or its equivalent, as applied to vessels, substantially as described, for the uses and purposes set forth.

In testimony of which invention I hereunto set my hand.

REUBEN M. DALBEY.

Witnesses:

JAS. H. GRIDLEY,
H. C. NICHOLSON.